

# SEQUENCE LISTING

<110> Liu, Chuan-Fa  
Feige, Ulrich  
Cheetham, Janet C.

<120> Thrombopoietic Compounds

<130> 01017/36263

<140>

<141>

<150> 60/105,348

<151> 1998-10-23

<160> 46

<170> PatentIn Ver. 2.0

<210> 1

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<400> 1

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
1 5 10

<210> 2

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<220>

<223> Peptide is a subunit of a homodimer: Subunits in  
the dimer are covalently bonded at each carboxy  
terminus through peptide linkage with  
NH2-CH2-CH2-CH2-CH2-CH(CONH2)-NH-CO-CH2-CH2-NH2

<400> 2

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
1 5 10

<210> 3

<211> 684

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
oligonucleotide

```

<400> 3
atggacaaaa ctcacacatg tccaccttgt ccagctccgg aactcctggg gggaccgtca 60
gtcttcctct tcccccaaaa acccaaggac accctcatga tctcccggac ccctgaggtc 120
acatgcgtgg tgggtggacgt gagccacgaa gaccctgagg tcaagttcaa ctggtacgtg 180
gacggcgtgg aggtgcataa tgccaagaca aagccgcggg aggagcagta caacagcacg 240
taccgtgtgg tcagcgtcct caccgtcctg caccaggact ggctgaatgg caaggagtac 300
aagtgaagg tctccaacaa agccctccca gccccatcg agaaaacat ctccaaagcc 360
aaagggcagc cccgagaacc acaggtgtac accctgcccc catcccggga tgagctgacc 420
aagaaccagg tcagcctgac ctgcctggtc aaaggcttct atcccagcga catcgccgtg 480
gagtgggaga gcaatgggca gccggagaac aactacaaga ccacgcctcc cgtgctggac 540
tccgacggct ccttcttctt ctacagcaag ctccaccgtg acaagagcag gtggcagcag 600
gggaacgtct tctcatgctc cgtgatgcat gaggtctctg acaaccacta cagcgagaag 660
agcctctccc tgtctccggg taaa                                     684

```

```

<210> 4
<211> 684
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Description of Artificial Sequence:
oligonucleotide

```

```

<400> 4
tacctgtttt gagtgtgtac aggtggaaca ggtcagaggcc ttgaggaccc ccctggcagt 60
cagaaggaga agggggggtt tgggttcctg tgggagtact agagggcctg gggactccag 120
tgtacgcacc accacctgca ctcggtgctt ctgggactcc agttcaagtt gaccatgcac 180
ctgccgcacc tccacgtatt acggttctgt ttcggcgccc tcctcgtcat gttgtcgtgc 240
atggcacacc agtcgcagga gtggcaggac gtggtcctga ccgacttacc gttcctcatg 300
ttcacgttcc agaggttgtt tcgggagggt cgggggtagc tcttttgga gaggtttcgg 360
tttcccgtcg gggctcttgg tgtccacatg tgggacgggg gtagggccct actcgactgg 420
ttcttggtcc agtcgactg gacggaccag tttccgaaga tagggctcgt gtagcggcac 480
ctcacctctc cgttaccctg cggcctcttg ttgatgttct ggtgcggagg gcacgacctg 540
aggctgccga ggaagaagga gatgtcgttc gagtggcacc tgttctcgtc caccgtcgtc 600
cccttgacga agagtacgag gcactacgta ctccgagacg tgttggtgat gtgcgtcttc 660
tcggagaggg acagaggccc attt                                     684

```

```

<210> 5
<211> 228
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> Description of Artificial Sequence: peptide

```

```

<400> 5
Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu
  1                      5                      10                      15

Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
          20                      25                      30

Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
          35                      40                      45

His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu
          50                      55                      60

Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr
          65                      70                      75                      80

Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn

```



<223> Description of Artificial Sequence: peptide

<400> 8

Gly Gly Gly Cys Gly Gly Gly Gly  
1 5

<210> 9

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<400> 9

Gly Pro Asn Gly  
1

<210> 10

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<400> 10

Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Pro  
1 5 10 15

Asn Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
20 25 30

<210> 11

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<220>

<223> Cyclic peptide; Secondary structure is maintained  
by disulfide bond between intramolecular Cys  
residues at positions 9 and 31

<400> 11

Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu  
20 25 30

Ala Ala Arg Ala  
35

<210> 12  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: peptide

<400> 12  
Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15  
Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Arg Leu Gln Cys Leu  
20 25 30  
Ala Ala Arg Ala  
35

<210> 13  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: peptide

<400> 13  
Ile Glu Gly Pro Thr Leu Arg Gln Ala Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15  
Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Ala Leu  
20 25 30  
Ala Ala Arg Ala  
35

<210> 14  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: peptide

<400> 14  
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15  
Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30  
Ala Ala Arg Ala  
35

<210> 15  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Lys residue at position 18 is Bromoacetylated

<220>  
<223> Description of Artificial Sequence: derivatized  
peptide

<400> 15  
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15  
Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30  
Ala Ala Arg Ala  
35

<210> 16  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: peptide  
<400> 16  
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15  
Gly Cys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30  
Ala Ala Arg Ala  
35

<210> 17  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Lys at position 18 is pegylated

<220>  
<223> Description of Artificial Sequence: derivatized  
peptide

<400> 17  
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15  
Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30  
Ala Ala Arg Ala  
35

<210> 18  
<211> 36

<212> PRT  
<213> Artificial Sequence

<220>  
<223> Cys at position 18 is pegylated

<220>  
<223> Description of Artificial Sequence: derivatized  
peptide

<400> 18  
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15  
Gly Cys Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30  
Ala Ala Arg Ala  
35

<210> 19  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: peptide

<400> 19  
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15  
Gly Asn Gly Ser Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30  
Ala Ala Arg Ala  
35

<210> 20  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Monomeric subunit of a homodimer; Subunits in the  
homodimer are bonded by a disulfide bond between  
Cys residues at position 18 on each subunit

<220>  
<223> Description of Artificial Sequence: peptide

<400> 20  
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15  
Gly Cys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30  
Ala Ala Arg Ala  
35

<210> 21  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: peptide

<400> 21  
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
           1                  5                  10                  15  
 Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
                   20                  25                  30  
 Ala Ala Arg Ala  
                   35

<210> 22  
 <211> 32  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Peptide is derivatized at the amino terminus with a covalently bonded immunoglobulin Fc region

<220>  
 <223> Description of Artificial Sequence: peptide

<400> 22  
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Pro  
           1                  5                  10                  15  
 Asn Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
                   20                  25                  30

<210> 23  
 <211> 32  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Peptide is covalently bonded at the amino and carboxy termini to an immunoglobulin Fc region

<220>  
 <223> Description of Artificial Sequence: peptide

<400> 23  
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Pro  
           1                  5                  10                  15  
 Asn Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
                   20                  25                  30



<210> 24  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Peptide is copvalently bonded at the carboxy  
terminus to an immunoglobulin Fc region

<220>  
<223> Description of Artificial Sequence: peptide

<400> 24  
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30

Ala Ala Arg Ala  
35

<210> 25  
<211> 34  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Peptide is covalently bonded at the amino terminus  
to an immunoglobulin Fc region

<220>  
<223> Description of Artificial Sequence: peptide

<400> 25  
Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
1 5 10 15

Gly Pro Asn Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala  
20 25 30

Arg Ala

<210> 26  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Peptide is covalently bonded at the amino terminus  
to an immunoglobulin Fc region

<220>  
<223> Description of Artificial Sequence: peptide

<400> 26  
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
           1                          5                          10                          15  
 Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
                           20                          25                          30  
 Ala Ala Arg Ala  
                   35

<210> 27  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Peptide is covalently bonded at the amino terminus  
 to an immunoglobulin Fc region

<220>  
 <223> Cyclic peptide; Secondary structure is maintained  
 by disulfide linkage between intramolecular Cys  
 residues at positions 9 and 31

<220>  
 <223> Description of Artificial Sequence: peptide

<400> 27  
 Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu Ala Ala Arg Ala Gly Gly  
           1                          5                          10                          15  
 Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu  
                           20                          25                          30  
 Ala Ala Arg Ala  
                   35

<210> 28  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Peptide is covalently bonded at the amino terminus  
 to an immunoglobulin Fc region

<220>  
 <223> Description of Artificial Sequence: peptide

<400> 28  
 Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu Ala Ala Arg Ala Gly Gly  
           1                          5                          10                          15  
 Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu  
                           20                          25                          30  
 Ala Ala Arg Ala  
                   35

<210> 29  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: peptide

<220>  
<223> Peptide is covalently bonded at the amino terminus  
to an immunoglobulin Fc region

<400> 29  
Ile Glu Gly Pro Thr Leu Arg Gln Ala Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15  
Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Ala Leu  
20 25 30  
Ala Ala Arg Ala  
35

<210> 30  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Peptide is covalently bonded at the amino terminus  
to an immunoglobulin Fc region

<220>  
<223> Description of Artificial Sequence: peptide

<400> 30  
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15  
Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
20 25 30  
Ala Ala Arg Ala  
35

<210> 31  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Peptide is covalently bonded at the amino terminus  
to an immunoglobulin Fc region

<220>  
<223> Description of Artificial Sequence: peptide

<400> 31  
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
1 5 10 15

Gly Cys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
 20 25 30

Ala Ala Arg Ala  
 35

<210> 32  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: peptide

<220>  
 <223> Peptide is covalently bonded at the amino terminus  
 to an immunoglobulin Fc region

<400> 32  
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1 5 10 15

Gly Asn Gly Ser Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
 20 25 30

Ala Ala Arg Ala  
 35

<210> 33  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: peptide

<220>  
 <223> Peptide is a subunit of a homodimer; Subunits in  
 the homodimer are covalently bonded through a  
 disulfide bond between Cys residues at position 18  
 of each subunit

<220>  
 <223> Peptide is covalently bonded at the amino terminus  
 to an immunoglobulin Fc region

<400> 33  
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly  
 1 5 10 15

Gly Cys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
 20 25 30

Ala Ala Arg Ala  
 35

<210> 34  
 <211> 41  
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<220>

<223> Peptide is covalently bonded at the amino terminus to an immunoglobulin Fc region

<400> 34

Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala  
1 5 10 15

Ala Arg Ala Gly Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr  
20 25 30

Leu Arg Gln Trp Leu Ala Ala Arg Ala  
35 40

<210> 35

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
oligonucleotide

<400> 35

aaaggtggag gtggtggtat cgaaggtccg actctgcgtc agtggctggc tgctcgtgct 60

<210> 36

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
oligonucleotide

<400> 36

acctccacca ccagcacgag cagccagcca ctgacgcaga gtcggacc 48

<210> 37

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
oligonucleotide

<400> 37

ggtggtggag gtggcggcgg aggtattgag ggcccaaccc ttcgccaatg gcttgcagca 60  
cgcgca 66

<210> 38

<211> 76

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
oligonucleotide

<400> 38

aaaaaaagga tcctcgagat tatgcgcgtg ctgcaagcca ttggcgaagg gttgggacct 60  
caataacctcc gccgcc 76

<210> 39

<211> 126

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
oligonucleotide

<400> 39

aaagggtggag gtggtggtat cgaagggtccg actctgcgtc agtggctggc tgctcgtgct 60  
ggtggtggag gtggcggcgg aggtattgag ggccaaccc ttcgccaatg gcttgcagca 120  
cgcgca 126

<210> 40

<211> 124

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
oligonucleotide

<400> 40

ccaggctgag acgcagtcac cgaccgacga gcaagaccac cacctccacc gccgcctcca 60  
taactcccg gttgggaagc ggttaccgaa cgctcgtgcgc gtattagagc tcctaggaaa 120  
aaaa 124

<210> 41

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<400> 41

Lys Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu  
1 5 10 15

Ala Ala Arg Ala Gly Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro  
20 25 30

Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
35 40

<210> 42

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:

# oligonucleotide

<400> 42  
aacataagta cctgtaggat cg

22

<210> 43  
<211> 52  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
oligonucleotide

<400> 43  
ttcgatacca ccacctccac ctttaccggg agacagggag aggctcttct gc

52

<210> 44  
<211> 861  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
oligonucleotide

<400> 44  
tctagatttg ttttaactaa ttaaaggagg aataacatat ggacaaaact cacacatgtc 60  
caccttgacc agctccggaa ctccctgggg gaccgtcagt cttcctcttc cccccaaaac 120  
ccaaggacac cctcatgatc tcccggaccc ctgaggtcac atgcgtgggt gtggacgtga 180  
gccacgaaga cctgaggtc aagttcaact ggtacgtgga cggcgtggag gtgcataatg 240  
ccaagacaaa gccgcgggag gagcagtaca acagcacgta ccgtgtgggt agcgtcctca 300  
ccgtcctgca ccaggactgg ctgaatggca aggagtacaa gtgcaagggt tccaacaaag 360  
ccctcccagc ccccatcgag aaaaccatct ccaaagccaa agggcagccc cgagaaccac 420  
aggtgtacac cctgccccca tcccgggatg agctgaccaa gaaccagggt agcctgacct 480  
gcctgggtcaa aggcttctat cccagcgaca tcgccgtgga gtgggagagc aatgggcagc 540  
cggagaacaa ctacaagacc acgcctcccg tgctggactc cgacggctcc ttcttctct 600  
acagcaagct caccgtggac aagagcaggt ggcagcaggg gaacgtcttc tcatgctccg 660  
tgatgcatga ggctctgcac aaccactaca cgcagaagag cctctccctg tctccgggta 720  
aaggtggagg tgggtggtatc gaaggtccga ctctgcgtca gtggctgggt gctcgtgctg 780  
gtgggtggagg tggcggcgga ggtattgagg gcccaaccct tcgccaatgg cttgcagcac 840  
gcgcataatc tcgaggatcc g 861

<210> 45  
<211> 861  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:  
oligonucleotide

<400> 45  
agatctaaac aaaattgatt aatttcctcc ttattgtata cctgttttga gtgtgtacag 60  
gtggaacagg tcgaggcctt gaggacccc ctggcagtc gaaggagaag gggggtttt 120  
ggttcctgtg ggagtactag agggcctggg gactccagt tacgcaccac cacctgcact 180  
cgggtgcttct gggactccag ttcaagttga ccatgcacct gccgcacctc cacgtattac 240  
ggttctgttt cggcgccttc ctctcatgt tgcgtgcat ggcacaccag tcgcaggagt 300  
ggcaggacgt ggtcctgacc gacttaccgt tctcatgtt caggttccag aggttgtttc 360  
gggagggtcg gggtagctc ttttggtaga ggtttcgggt tcccgtcggg gctcttggtg 420  
tccacatgtg ggacgggggt agggccctac tcgactgggt cttgggtccag tcggactgga 480  
cggaccagtt tccgaagata gggctcgtgt agcggcacct caccctctcg ttaccctcgc 540





245

250

255

Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
260 265

SECRET